

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
Express Mail No. Attorney's Docket No. 992292 US
Deposited: January 7, 2002
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Washington, DC 20231

EXPRESS MAIL CERTIFICATE

I hereby certify that the attached correspondence, identified below, is being deposited with the United States Postal Service as "Express Mail Post Office to Addressee" under 35 U.S.C. 371 on the date indicated above and is addressed to the Commissioner for Patents and Trademarks, Washington, DC 20231.

By 

Anita M. Auten

TRANSMITTAL OF INTERNATIONAL PATENT APPLICATION
FOR NATIONAL FILING UNDER 35 U.S.C. § 371
(Page 1 of 2)

Dear Sir:

Transmitted herewith for national filing in the US PTO under 35 U.S.C. § 371 of PCT International Patent Application No. PCT/IB00/00959, filed on July 14, 2000, claiming priority from German Patent Application No. 19932942.7, filed on July 14, 1999:

Inventor(s): Jan DESSEIN, Freddy D'HULSTER, Frank HELLIN and Stefan NEUBAUER

For: HF RIGHT-ANGLE CONNECTOR

Enclosed are papers, identified as follows:

The PCT International Publication (application as filed) and the International Preliminary Examination Report with any annexes attached thereto were forwarded to the US PTO by the International Bureau of WIPO (see enclosed copy of Form IB/308 and IPEA/416 as proof)

___ Declaration or Oath and Petition, Power of Attorney
 X To follow if this line is checked

 X Preliminary Amendment

 X Information Disclosure Statement

Assignment(s) is/are:

___ enclosed, signed by inventor(s) to employer(s), with a separate cover sheet; or
 X to follow.

Attorney's Docket No. 992292 US
Inventor: Dessin et al.

TRANSMITTAL OF INTERNATIONAL PATENT APPLICATION
FOR NATIONAL FILING UNDER 35 U.S.C. § 371
(Page 2 of 2)

A filing fee is calculated based on the claims remaining in the application after entry of the preliminary amendment, if applicable,

Basic Fee under 1.492 (a) (5)						= \$ 890
Total Claims	9	minus 20 = *		X \$ 18		= \$
Independent	1	minus 3 = *		X \$ 84		= \$
Fee for Multiple dependent claims						\$ 280 = \$

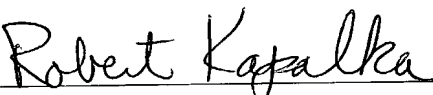
Filing fee, Charge to Deposit Account 23-1950 \$ 890

Authorization to Charge Deposit Account 23-1950: The Commissioner is authorized to charge any fee or credit any overpayment to deposit account 23-1950 in conjunction with carrying out this or any other communication filed in the present invention.

Please direct all future correspondence to:

Tyco Technology Resources
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Respectfully submitted,
Dessein et al.
Applicant


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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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In the Matter of the Application of:

Dessein et al.

Serial No.: PCT/IB00/00959

Date filed: July 14, 2000

For: HF Right Angle Connector

Examiner: Unknown

Group Art Unit: Unknown

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The Commissioner of Patents and Trademarks
Washington, DC 20231

PRELIMINARY AMENDMENT

Concerning a Filing Under 35 U.S.C. § 371

Please AMEND the present Application as follows:

In the SPECIFICATION:

With respect to the attached English translation of the International Application as published on January 18, 2001:

After the Title and before the text, please INSERT the following:

On page 1 at line 5, please insert:

--FIELD OF THE INVENTION--

On page 1 at line 10, please insert:

--BACKGROUND OF THE INVENTION--

On page 1, after the paragraph ending at line 18 and before the paragraph beginning at line 20, please INSERT the following line:

--SUMMARY OF THE INVENTION--

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On page 2, after the paragraph ending at line 16 and before the paragraph beginning at line 18, please INSERT the following line:

--BRIEF DESCRIPTION OF THE DRAWINGS--

On page 2, after line 27 and before line 29, please INSERT the following line:

--DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENT--

In the Claims:

With respect now to claims of the International Application as published on January 18, 2001 and the attached English translation thereof:

After the heading CLAIMS and before claim 1, please ADD the following line:

--What is claimed is:--

Please DELETE claims 1-11.

Please INSERT the following new claims 12-20:

12. An HF right-angle connector comprising a plug receiver, on which a key for the plug to be received is disposed, and a socket housing, in which connecting means for a coaxial cable are accommodated, wherein the plug receiver is mountable in various positions onto the socket housing and wherein a latching device for securing the plug to be received is disposed on the plug receiver, the plug receiver being mountable in three different positions on the socket housing, so that the latching device is disposed either to the left of the socket housing or to the right or at the end face of the socket housing.

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13. The HF right-angle connector according to claim 12, wherein the latching device constitutes the key for the plug to be received.

14. The HF right-angle connector according to claim 12, wherein keying grooves/ribs are provided in the plug receiver which cooperate with corresponding keying ribs/grooves on the plug to be received.

15. The HF right-angle connector according to claim 12, wherein a middle part is disposed on the connecting side of the plug receiver to the socket housing, which is smaller than the area of the plug receiver, and a plate is disposed on the middle part, which projects laterally on all sides beyond the middle part, and opposing U-shaped receivers are formed on the socket housing, into which the plate is insertable.

16. The HF right-angle connector according to claim 15, wherein the plate is substantially square and is provided with recesses for the cable routing.

17. The HF right-angle connector according to claim 15, wherein latching means are provided on the plug receiver and counterpart latching means are provided on the socket housing.

18. The HF right-angle connector according to claim 17 wherein the latching means comprise of projections on the middle part, and the counterpart latching means comprise recesses in the socket housing.

19. The HF right-angle connector according to claim 12 wherein the latching device on the plug receiver comprises of a latching hook, which is manually releasable by means of a button.

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20. The HF right-angle connector according to claim 12 further comprising an insulation displacement connection for connecting to an external conductor and a crimp connection for connecting to an internal conductor.

Remarks

An English translation of International Application PCT/IB00/00959 is filed herewith. Amendments to the literal translation were made to correct usage, phraseology matters and to comply with US practice. It is not believed any new substance has been added.

Additional amendments have been made to the Specification of the International Application PCT IB00/00959 to comply with U.S. practice. A marked up version of the amendments is attached.

The claims 1-11 contained in International Publication have been deleted. New claims have been added that correspond amended claims 1-9 of the PCT International Preliminary Examination Report annex, but with the reference numbers removed, multiple dependency removed and the dependency corrected in light of the new claim numbering and present the subject matter of the claims in a form corresponding to US practice.

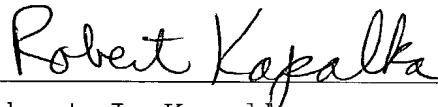
In view of the foregoing amendments and remarks, this application is now believed to be in condition for allowance; therefore, reconsideration and allowance are in order and hereby respectfully requested. If the Examiner believes it would be helpful to discuss any aspect of this case, please contact

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Robert J. Kapalka (Registration No. 34198) of Tyco Technology Resources at telephone number (302) 633-2771.

Respectfully submitted,

Applicant



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Marked Up Version of the Amendments

FIELD OF THE INVENTION

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The invention relates to an HF right-angle connector comprising a keyed plug receiver, on which a plug and comprising a socket housing, which is provided with connecting means for a coaxial cable.

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BACKGROUND OF THE INVENTION

HF right-angle connectors, generally used in motor vehicles, comprises a plug having a complimentary
15 counterpart key fixed in an angular position. Depending on the direction in which the coaxial cable has to be led off by means of the right-angle connector, a different right-angle connector part is needed because the angular position of the keying in the plug receiver of the right-angle
20 connector part is fixed. In these connector arrangements, three different right-angle connector parts are needed for a cable lead-off to the left, to the right and a central cable lead-off.

SUMMARY OF THE INVENTION

An object of the invention is therefore to provide a right-angle connector part, with which a cable lead-off in different directions is possible.

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BRIEF DESCRIPTION OF THE DRAWINGS

There now follows a detailed description of an embodiment of the invention, which is illustrated in the
35 drawings in which:

Figure 1 is an exploded view of the right-angle connector,

Figure 2 is an oblique view of the plug receiver and the socket housing in the separated state,

Figures 3 to 5 are oblique views of the right-angle connector having different angularly mounted plug receiver.

DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENT

Figure 1 shows an exploded view of the right-angle connector according to the invention. It comprises a socket housing divided into two parts, namely a socket housing upper part 1 and a socket housing lower part 2. An insulation displacement apparatus upper part 3 and an insulation displacement apparatus lower part 4 are respectively inserted into the socket housing upper part 1 and the socket housing lower part 2 for contacting the external conductor of an HF coaxial cable 5. A crimp connection 7 is provided with an L-shaped internal conductor receptacle contact 6 for contacting the internal conductor of the coaxial cable 5. A plug receiver 8 is mountable on the socket housing upper part 1 for receiving an HF plug. A key for the plug to be received is formed on the plug receiver 8 and, depending on whether the coaxial cable 5 is to be led off to the left, to the right or centrally, the plug receiver 8 may be mounted in the corresponding desired position onto the socket housing upper part 1.

What is Claimed is:

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12. An HF right-angle connector comprising a plug receiver, on which a key for the plug to be received is disposed, and a socket housing, in which connecting means for a coaxial cable are accommodated, wherein the plug receiver is mountable in various positions onto the socket housing and wherein a latching device for securing the plug to be received is disposed on the plug receiver, the plug receiver

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being mountable in three different positions on the socket housing, so that the latching device is disposed either to the left of the socket housing or to the right or at the end face of the socket housing.

5

13. The HF right-angle connector according to claim 12, wherein the latching device constitutes the key for the plug to be received.

10 14. The HF right-angle connector according to claim 12, wherein keying grooves/ribs are provided in the plug receiver which cooperate with corresponding keying ribs/grooves on the plug to be received.

15 15. The HF right-angle connector according to claim 12, wherein a middle part is disposed on the connecting side of the plug receiver to the socket housing, which is smaller than the area of the plug receiver, and a plate is disposed on the middle part, which projects laterally on all sides
20 beyond the middle part, and opposing U-shaped receivers are formed on the socket housing, into which the plate is insertable.

25 16. The HF right-angle connector according to claim 15, wherein the plate is substantially square and is provided with recesses for the cable routing.

30 17. The HF right-angle connector according to claim 15, wherein latching means are provided on the plug receiver and counterpart latching means are provided on the socket housing.

35 18. The HF right-angle connector according to claim 17 wherein the latching means comprise of projections on the middle part, and the counterpart latching means comprise recesses in the socket housing.

40 19. The HF right-angle connector according to claim 12 wherein the latching device on the plug receiver comprises of a latching hook, which is manually releasable by means of a button.

45 20. The HF right-angle connector according to claim 12 further comprising an insulation displacement connection for connecting to an external conductor and a crimp connection for connecting to an internal conductor.

HF RIGHT-ANGLE CONNECTOR

The invention relates to an HF right-angle connector comprising a keyed plug
5 receiver, on which a plug and comprising a socket housing, which is provided with
connecting means for a coaxial cable.

HF right-angle connectors, generally used in motor vehicles, comprises a plug
having a complimentary counterpart key fixed in an angular position. Depending on the
10 direction in which the coaxial cable has to be led off by means of the right-angle
connector, a different right-angle connector part is needed because the angular position of
the keying in the plug receiver of the right-angle connector part is fixed. In these
connector arrangements, three different right-angle connector parts are needed for a cable
lead-off to the left, to the right and a central cable lead-off.

15

An object of the invention is therefore to provide a right-angle connector part,
with which a cable lead-off in different directions is possible.

This and other objects are achieved according to the invention by an HF right-
20 angle connector having a plug receiver constructed separately from the socket housing
and being mountable in various positions onto the socket housing to make it possible for
the cable lead-off to be positioned in the desired direction.

In the case of the right-angle connector parts according to prior art three tools are
25 needed to produce the three different cable lead-offs generally required, whereas in the
case of the right-angle connector part according to the invention only two tools are
needed to produce the plug receiver and the socket housing. The right-angle connector
according to the invention is however not restricted merely to the three cable lead-offs
generally required but also enables cable lead-offs in other desired angular positions.

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According to a preferred embodiment, a latching device for securing the plug to be received is disposed on the plug receiver. The latching device may constitute the keying for the plug to be received, although it is also possible for additional keying ribs and/or grooves to be provided in the plug receiver for the plug to be received.

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There now follows a detailed description of an embodiment of the invention, which is illustrated in the drawings in which:

10 Figure 1 is an exploded view of the right-angle connector,

Figure 2 is an oblique view of the plug receiver and the socket housing in the separated state,

15 Figures 3 to 5 are oblique views of the right-angle connector having different angularly mounted plug receiver.

Figure 1 shows an exploded view of the right-angle connector according to the invention. It comprises a socket housing divided into two parts, namely a socket housing upper part 1 and a socket housing lower part 2. An insulation displacement apparatus upper part 3 and an insulation displacement apparatus lower part 4 are respectively inserted into the socket housing upper part 1 and the socket housing lower part 2 for contacting the external conductor of an HF coaxial cable 5. A crimp connection 7 is provided with an L-shaped internal conductor receptacle contact 6 for contacting the internal conductor of the coaxial cable 5. A plug receiver 8 is mountable on the socket housing upper part 1 for receiving an HF plug. A key for the plug to be received is formed on the plug receiver 8 and, depending on whether the coaxial cable 5 is to be led off to the left, to the right or centrally, the plug receiver 8 may be mounted in the corresponding desired position onto the socket housing upper part 1.

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Disposed at the top of the plug receiver 8 in the position shown is Figure 1 is a latching device 9 for securing the plug to be received. The latching device 9 as well as additional keying grooves 10, as shown in Figures 3 to 5, together represent the key, by which the position of the plug receiver 8 is fixed. When assembled, the socket housing 1, 2 with received insulation displacement apparatus 3, 4 and coaxial cable 5 is shielded by a clip-on cap 11.

Figure 2 shows the plug receiver 8 and the socket housing upper part 1 in an enlarged oblique view, wherein the plug receiver 8 and the socket housing are still separate. In order to be able to mount the plug receiver 8 onto the socket housing upper part 1, a substantially square middle part 12, which is set back in an inward direction relative to the outer periphery of the plug receiver 8, is provided on the side of the plug receiver 8 directed towards the socket housing upper part 1 a. Disposed on the middle part 12 is a likewise substantially square plate 13, which projects on all sides beyond the middle part 12. Both the middle part 12 and the square plate 13 have in the center a circular through-opening 14, through which the outer conductor of the upper part of the insulation displacement apparatus 3 passes and the internal conductor receptacle contact 6 extends.

Recesses 15 are formed along centerlines of the plate 13 opposite the latching device 9. The recesses 15 extend from the through-opening 14 outward through the plate 13 and are used to receive the upper part 3 of the insulation displacement apparatus. As shown in Figure 1, on the upper part 3 of the insulation displacement apparatus, a web 16 is disposed, which merges into an external conductor socket 17. When mounted, the external conductor socket 17 is inserted through the through-opening 14 and the web 16 is received in the recess 15 of the plate 13.

Figures 3 to 5 show oblique views of the fully assembled right-angle connector, wherein the plug receiver 8 is mounted in different angular orientations onto the socket housing upper part 1. The lead-off of the coaxial cable 5 extends in Figure 3 opposite the

latching device 9 or the keying grooves 10, whereas in Figure 4 it extends to the right and in Figure 5 to the left.

U-shaped receivers 18 are formed on both sides of the socket housing upper part 1 and are open towards the end face of the socket housing upper part 1. The plate 13 of the plug receiver 8 is inserted into these U-shaped receivers 18 to embrace the plate 13 on both sides, so that the plug receiver 8 is firmly connected to the socket housing upper part 1. Latching means are formed on the plug receiver 8 for latching the plug receiver 8 to the socket housing upper part 1, complimentary latching means are also formed on the socket housing upper part 1. According to the illustrated embodiment, the latching means of the plug receiver 8 take the form of projections 19 on the middle part 12, and the complimentary latching means take the form of recesses 20 in the upper limb 21 of the U-shaped receivers 18. The projections 19 are provided in each case along symmetrical lines of the middle part 12 and at the three locations of the recesses 15.

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Two of the recesses 20 in the U-shaped receivers 18 are provided on opposite sides of an upper limb 21 of the U-shaped receivers 18 so that, when the plug receiver 8 is inserted into the socket housing upper part 1, regardless of its angular position, two projections 19 latch into the recesses 20.

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The latching device 9 on the plug receiver 8 also has a pivotally supported latching hook 22, which may be moved out of its latched-in position by a manually operable button 23 in order to remove the plug from the plug receiver 8.

The invention is not restricted to the illustrated embodiment, for example it is also possible for the button 23 not to project beyond the connecting face of the plug receiver 8 to the socket housing upper part 1 and for the middle part 12 and the plate 13 to be designed in such a way that a lead-off of the coaxial cable 5 in the direction of the latching device 9 may be effected.

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- 5 -

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In a further, non-illustrated embodiment, the plate 13 is designed not as a square but as a hexagon or octagon, thereby enabling a lead-off of the coaxial cable 5, in the case of a hexagon, in all angular positions offset by 60° and, in the case of an octagon, in all angular positions offset by 45° .

ART 34 AMDT

1004976 10/049764

JC13 Rec'd PCT/PTO 07 JAN 2002

- 1 -

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PCT INTERNATIONAL PRELIMINARY EXAMINATION REPORT ANNEXES

CLAIMS

- 5 1. HF right-angle connector comprising a plug receiver (8), on which a coding (9, 10) for the plug to be received is disposed, and comprising a socket housing (1, 2), in which connecting means (3, 4, 7) for a coaxial cable (5) are accommodated, wherein the plug receiver (8) is mountable in various positions onto the socket housing (1, 2) and wherein a latching device (9) for securing the plug to be received is disposed on the plug receiver (8), characterised in that the plug receiver (8) is mountable in three different positions on the socket housing (1, 2), so that the latching device (9) is disposed either to the left of the socket housing (1, 2) or to the right or at the end face of the socket housing (1, 2).
- 10 2. HF right-angle connector according to claim 1, characterised in that the latching device (9) constitutes the coding for the plug to be received.
- 15 3. HF right-angle connector according to claim 1 or 2, characterised in that provided in the plug receiver (8) are coding grooves/ribs (10) which cooperate with corresponding coding ribs/grooves on the plug to be received.
- 20 4. HF right-angle connector according to one of claims 1 to 3, characterised in that disposed on the connecting side of the plug receiver (8) to the socket housing (1, 2) is a middle part (12), which is smaller than the area of the plug receiver (8), and disposed on the middle part (12) is a plate (13), which projects laterally on all sides beyond the middle part (12), and formed on the socket housing (1, 2) are opposing U-shaped receivers (18), into which the plate (13) is insertable.
- 25 5. HF right-angle connector according to claim 4, characterised in that the plate (13) is substantially square and is provided with recesses (15) for the cable routing.
- 30 6. HF right-angle connector according to one of claims 1 to 5, characterised in that latching means are provided on the plug receiver (8) and counterpart latching means are provided on the socket housing (1, 2).

7. HF right-angle connector according to claim 6, characterised in that the latching means take the form of projections (19) on the middle part (12), and the counterpart latching means take the form of recesses (20) in the socket housing (1, 2).
- 5 8. HF right-angle connector according to one of claims 1 to 7, characterised in that the latching device (9) on the plug receiver (8) takes the form of a latching hook (22), which is manually releasable by means of a button (23).
- 10 9. HF right-angle connector according to one of claims 1 to 8, characterised in that the connecting means in the socket housing (1, 2) for the external conductor of the coaxial cable (5) take the form of an insulation displacement connection (3, 4) and for the internal conductor take the form of a crimp connection (7).

ABSTRACT

The invention relates to an HF right-angle connector comprising a plug receiver (8), on which a keying (9, 10) for the plug to be received is disposed, and comprising a socket
5 housing (1, 2), in which connecting means (3, 4, 7) are accommodated. According to the invention it is possible to mount the plug receiver (8) in various positions onto the socket housing (1, 2) so that a lead-off of the coaxial cable (5) is possible in different directions.

Declaration and Power of Attorney for Patent Application
Erklärung für Patentanmeldungen mit Vollmacht
German Language Declaration

Als nachstehend benannter Erfinder erkläre ich hiermit an Eides Statt:

Dass mein Wohnsitz, meine Postanschrift und meine Staatsangehörigkeit den im nachstehenden nach meinem Namen aufgeführten Angaben entsprechen,

dass ich nach bestem Wissen der ursprüngliche, erste und alleinige Erfinder (falls nachstehend nur ein Name angegeben ist) oder ein ursprünglicher, erster und Miterfinder (falls nachstehend mehrere Namen aufgeführt sind) des Gegenstandes bin, für den dieser Antrag gestellt wird und für den ein Patent beantragt wird für die Erfindung mit dem Titel:

deren Beschreibung

(Zutreffendes ankreuzen)

☐ hier beigefügt ist.
☐ am _____ unter der
Anmeldungsseriennummer _____

eingereicht wurde und am _____
abgeändert wurde (falls tatsächlich abgeändert).

Ich bestätige hiermit, dass ich den Inhalt der obigen Patentanmeldung, einschliesslich der Ansprüche, durchgesehen und verstanden habe, die eventuell durch einen Zusatzantrag, wie oben erwähnt, abgeändert wurde.

Ich erkenne meine Pflicht zur Offenbarung irgendwelcher Informationen, die für die Prüfung der vorliegenden Anmeldung in Einklang mit Absatz 37, Bundesgesetzbuch, Paragraph 1.56(a) von Wichtigkeit sind, an.

Ich beanspruche hiermit ausländische Prioritätsvorteile gemäss Abschnitt 35 der Zivilprozessordnung der Vereinigten Staaten, Paragraph 119 aller unten angegebenen Auslandsanmeldungen für ein Patent oder eine Erfinderurkunde, und habe auch alle Auslandsanmeldungen für ein Patent oder eine Erfinderurkunde nachstehend gekennzeichnet, die ein Anmeldedatum haben, das vor dem Anmeldedatum der Anmeldung liegt, für die Priorität beansprucht wird.

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

HF RIGHT-ANGLE CONNECTOR

the specification of which

(check one)

☐ is attached hereto.
☒ was filed on **July 14, 2000** as

Application Serial No. **10/049,764**

and was amended on _____
(if applicable)

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code, § 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

German Language Declaration

Prior foreign applications
Priorität beansprucht

Priority Claimed

199 32 942.7

DE

14/07/1999

☒

☐

(Number)
(Nummer)

(Country)
(Land)

Day/Month/Year Filed
Tag/Monat/Jahr eingereicht

Yes
Ja

No
Nein

(Number)
(Nummer)

(Country)
(Land)

Day/Month/Year Filed
Tag/Monat/Jahr eingereicht

☐

Yes
Ja

☐

No
Nein

(Number)
(Nummer)

(Country)
(Land)

Day/Month/Year Filed
Tag/Monat/Jahr eingereicht

☐

Yes
Ja

☐

No
Nein

Ich beanspruche hiermit gemäss Absatz 35 der Zivilprozessordnung der Vereinigten Staaten, Paragraph 120, den Vorzug aller unten aufgeführten Anmeldungen, und falls der Gegenstand aus jedem Anspruch dieser Anmeldung nicht in einer früheren amerikanischen Patentanmeldung laut dem ersten Paragraphen des Absatzes 35 der Zivilprozessordnung der Vereinigten Staaten, Paragraph 112, offenbart ist, erkenne ich gemäss Absatz 37, Bundesgesetzbuch, Paragraph 1.56(a) meine Pflicht zur Offenbarung von Informationen an, die zwischen dem Anmeldedatum der früheren Anmeldung und dem nationalen oder PCT internationalen Anmeldedatum dieser Anmeldung bekannt geworden sind.

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

PCT/IB00/00959

(Application Serial No.)
(Anmeldeseriennummer)

14/07/2000

(Filing Date)
(Anmeldedatum)

pending

(Status)
(patentiert, anhangig,
aufgegeben)

(Status)
(patented, pending,
abandoned)

(Application Serial No.)
(Anmeldeseriennummer)

(Filing Date)
(Anmeldedatum)

(Status)
(patentiert, anhangig,
aufgegeben)

(Status)
(patented, pending,
abandoned)

Ich erkläre hiermit, dass alle von mir in der vorliegenden Erklärung gemachten Angaben nach meinem besten Wissen und Gewissen der vollen Wahrheit entsprechen, und dass ich diese eidesstattliche Erklärung in Kenntnis dessen abgebe, dass wissentlich und vorsätzlich falsche Angaben gemäss Paragraph 1001, Absatz 18 der Zivilprozessordnung der Vereinigten Staaten von Amerika mit Geldstrafe belegt und/oder Gefängnis bestraft werden können, und dass derartig wissentlich und vorsätzlich falsche Angaben die Gültigkeit der vorliegenden Patentanmeldung oder eines darauf erteilten Patentes gefährden können.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

German Language Declaration

VERTRETUNGSVOLLMACHT: Als benannter Erfinder beauftrage ich hiermit den nachstehend benannten Patentanwalt (oder die nachstehend benannten Patentanwälte) und/oder Patent-Agenten mit der Verfolgung der vorliegenden Patentanmeldung sowie mit der Abwicklung aller damit verbundenen Geschäfte vor dem Patent- und Warenzeichenamt: (Name und Registrationsnummer anführen)

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. (list name and registration number)

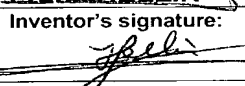
**Salvatore Anastasi (Registration No. 39090),
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Driscoll A. Nina (Registration No. 34685),
Joseph A. Tessari (Registration No. 32177), and
Bruce J. Wolstoncroft (Registration No. 32075).**
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Telefongespräche bitte richten an:
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Postanschrift:

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4550 New Linden Hill Road
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Voller Name des einzigen oder ursprünglichen Erfinders Jan DESSEIN		Full name of third joint inventor, if any Frank HELLIN	
Unterschrift des Erfinders: 	Datum: 15/05/02	Inventor's signature: 	Date: 15 May 2002
Wohnsitz: Meeuwenlaan 14, B-8370 Blankenberge, Belgium		Residence Minister de Taeyelaan 5, B-8500 Kortrijk, Belgium	
Staatsangehörigkeit Belgium BEX		Citizenship Belgium BEX	
Postanschrift Meeuwenlaan 14, B-8370 Blankenberge, Belgium		Post Office Address Minister de Taeyelaan 5, B-8500 Kortrijk, Belgium	
Voller Name des zweiten Miterfinders, falls zutreffend Freddy D'HULSTER		Full name of fourth joint inventor, if any Stefan NEUBAUER	
Unterschrift des Erfinders: 	Datum: 16 May 2002	Inventor's signature: 	Date:
Wohnsitz: Aug. Vermeylenstrasse 1, B-8211 Aartrijke, Belgium		Residence Mittelgasse 10, D-67166 Otterstadt, Germany	
Staatsangehörigkeit Belgium BEX		Citizenship German	
Postanschrift Aug. Vermeylenstrasse 1, B-8211 Aartrijke, Belgium		Post Office Address Mittelgasse 10, D-67166 Otterstadt, Germany	

(Bitte entsprechende Informationen und Unterschriften im Falle von dritten und weiteren Miterfindern angeben).

(Supply similar information and signature for third and subsequent joint inventors.)

Declaration and Power of Attorney for Patent Application
Erklärung für Patentanmeldungen mit Vollmacht
German Language Declaration

Als nachstehend benannter Erfinder erkläre ich hiermit an Eides Statt:

Dass mein Wohnsitz, meine Postanschrift und meine Staatsangehörigkeit den im nachstehenden nach meinem Namen aufgeführten Angaben entsprechen;

dass ich nach bestem Wissen der ursprüngliche, erste und alleinige Erfinder (falls nachstehend nur ein Name angegeben ist) oder ein ursprünglicher, erster und Miterfinder (falls nachstehend mehrere Namen aufgeführt sind) des Gegenstandes bin, für den dieser Antrag gestellt wird und für den ein Patent beantragt wird für die Erfindung mit dem Titel:

deren Beschreibung

(Zutreffendes ankreuzen)

☐ hier beigefügt ist.

☐ am _____ unter der

Anmeldungsseriennummer _____

eingereicht wurde und am _____
abgeändert wurde (falls tatsächlich abgeändert).

Ich bestätige hiermit, dass ich den Inhalt der obigen Patentanmeldung, einschliesslich der Ansprüche, durchgesehen und verstanden habe, die eventuell durch einen Zusatzantrag, wie oben erwähnt, abgeändert wurde.

Ich erkenne meine Pflicht zur Offenbarung irgendwelcher Informationen, die für die Prüfung der vorliegenden Anmeldung in Einklang mit Absatz 37, Bundesgesetzbuch, Paragraph 1.56(a) von Wichtigkeit sind, an.

Ich beanspruche hiermit ausländische Prioritätsvorteile gemäss Abschnitt 35 der Zivilprozessordnung der Vereinigten Staaten, Paragraph 119 aller unten angegebenen Auslandsanmeldungen für ein Patent oder eine Erfinderurkunde, und habe auch alle Auslandsanmeldungen für ein Patent oder eine Erfinderurkunde nachstehend gekennzeichnet, die ein Anmeldedatum haben, das vor dem Anmeldedatum der Anmeldung liegt, für die Priorität beansprucht wird.

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

HF RIGHT-ANGLE CONNECTOR

the specification of which

(check one)

☐ is attached hereto.

☒ was filed on **July 14, 2000** as

Application Serial No. **10/049,764**

and was amended on _____
(if applicable)

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code, § 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

German Language Declaration

Prior foreign applications
Priorität beansprucht

Priority Claimed

199 32 942.7

DE

14/07/1999



(Number)
(Nummer)

(Country)
(Land)

Day/Month/Year Filed
Tag/Monat/Jahr eingereicht

Yes
Ja

No
Nein

(Number)
(Nummer)

(Country)
(Land)

Day/Month/Year Filed
Tag/Monat/Jahr eingereicht



Yes
Ja

No
Nein

(Number)
(Nummer)

(Country)
(Land)

Day/Month/Year Filed
Tag/Monat/Jahr eingereicht



Yes
Ja

No
Nein

Ich beanspruche hiermit gemäss Absatz 35 der Zivilprozessordnung der Vereinigten Staaten, Paragraph 120, den Vorzug aller unten aufgeführten Anmeldungen, und falls der Gegenstand aus jedem Anspruch dieser Anmeldung nicht in einer früheren amerikanischen Patentanmeldung laut dem ersten Paragraphen des Absatzes 35 der Zivilprozessordnung der Vereinigten Staaten, Paragraph 112, offenbart ist, erkenne ich gemäss Absatz 37, Bundesgesetzbuch, Paragraph 1.56(a) meine Pflicht zur Offenbarung von Informationen an, die zwischen dem Anmeldedatum der früheren Anmeldung und dem nationalen oder PCT internationalen Anmeldedatum dieser Anmeldung bekannt geworden sind.

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

PCT/IB00/00959

(Application Serial No.)
(Anmeldeseriennummer)

14/07/2000

(Filing Date)
(Anmeldedatum)

pending

(Status)
(patentiert, anhangig,
aufgegeben)

(Status)
(patented, pending,
abandoned)

(Application Serial No.)
(Anmeldeseriennummer)

(Filing Date)
(Anmeldedatum)

(Status)
(patentiert, anhangig,
aufgegeben)

(Status)
(patented, pending,
abandoned)

Ich erkläre hiermit, dass alle von mir in der vorliegenden Erklärung gemachten Angaben nach meinem besten Wissen und Gewissen der vollen Wahrheit entsprechen, und dass ich diese eidesstattliche Erklärung in Kenntnis dessen abgebe, dass wissentlich und vorsätzlich falsche Angaben gemäss Paragraph 1001, Absatz 18 der Zivilprozessordnung der Vereinigten Staaten von Amerika mit Geldstrafe belegt und/oder Gefängnis bestraft werden können, und dass derartig wissentlich und vorsätzlich falsche Angaben die Gültigkeit der vorliegenden Patentanmeldung oder eines darauf erteilten Patentes gefährden können.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

German Language Declaration

VERTRETUNGSVOLLMACHT: Als benannter Erfinder beauftrage ich hiermit den nachstehend benannten Patentanwalt (oder die nachstehend benannten Patentanwälte) und/oder Patent-Agenten mit der Verfolgung der vorliegenden Patentanmeldung sowie mit der Abwicklung aller damit verbundenen Geschäfte vor dem Patent- und Warenzeichenamt: (Name und Registrationsnummer anführen)

Telefongespräche bitte richten an:
(Name und Telefonnummer)

Postanschrift:

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. (list name and registration number)

**Salvatore Anastasi (Registration No. 39090),
Michael J. Aronoff (Registration No. 37770),
Stephen J. Driscoll (Registration No. 37564),
Robert J. Kapalka (Registration No. 34198),
Driscoll A. Nina (Registration No. 34685),
Joseph A. Tessari (Registration No. 32177), and
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Staatsangehörigkeit: Belgium	Citizenship: Belgium
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Voller Name des zweiten Miterfinders, falls zutreffend: Freddy D'HULSTER	Full name of fourth joint inventor, if any: Stefan NEUBAUER
Unterschrift des Erfinders: _____ Datum: _____	Inventor's signature: _____ Date: _____
Wohnsitz: Aug. Vermeylenstrasse 1, B-8211 Aatrijke, Belgium	Residence: Mittelgasse 10, D-67166 Otterstadt, Germany
Staatsangehörigkeit: Belgium	Citizenship: German
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